

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NWNE / 32.208744 / -103.780537	County or Parish/State: EDDY / NM
Well Number: 167H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0000506A, NMNM0506A	Unit or CA Name: DONOTUSE, POKER LAKE UNIT	Unit or CA Number: NMNM071016Z, NMNM71016X
US Well Number: 3001547225	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2668437

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 04/25/2022

Time Sundry Submitted: 11:14

Date proposed operation will begin: 05/10/2022

Procedure Description: **Pool Change, Spacing, Casing/Cement, Drilling Variance Changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: No Additional Surface Disturbance Change formation from Wolfcamp to Bone Spring. Change pool from Purple Sage; Wolfcamp (98220) to Cotton Draw; Bone Spring, South (96546). Change BHL fr/200'FSL & 990'FEL to 50'FSL & 1320'FEL, Section 28-T24S-R31E Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Multibowl Diagram

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

PLU_16_TWR_167H_Attachments_20220425111343.pdf

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NWNE / 32.208744 / -103.780537	County or Parish/State: EDDY / NM
Well Number: 167H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0000506A, NMNM0506A	Unit or CA Name: DONOTUSE, POKER LAKE UNIT	Unit or CA Number: NMNM071016Z, NMNM71016X
US Well Number: 3001547225	Operator: XTO PERMIAN OPERATING LLC	

Conditions of Approval

Additional

Sec_21_24S_34E_NMP_2668437_PLU_16_TWR_167H_Eddy_NMNM0506A__XTO_COAs_20220607142637.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: STEPHANIE RABADUE	Signed on: APR 25, 2022 11:14 AM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Coordinator	
Street Address: 500 W. Illinois St, Ste 100	
City: Midland	State: TX
Phone: (432) 620-6714	
Email address: STEPHANIE.RABADUE@EXXONMOBIL.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 02/08/2023
Signature: Chris Walls	

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Attachments:

C102

Drilling Program

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWNE / 490 FNL / 1950 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.208744 / LONG: -103.780537 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 990 FSL / 990 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.19844 / LONG: -103.777383 (TVD: 12672 feet, MD: 17029 feet)

PPP: NESE / 2310 FSL / 990 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.20202 / LONG: -103.777383 (TVD: 12672 feet, MD: 15709 feet)

PPP: NENE / 330 FNL / 990 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.209185 / LONG: -103.777433 (TVD: 12672 feet, MD: 13069 feet)

PPP: NENE / 330 FNL / 990 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.19483 / LONG: -103.777383 (TVD: 12672 feet, MD: 18349 feet)

BHL: SESE / 200 FSL / 990 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.181608 / LONG: -103.777383 (TVD: 12672 feet, MD: 23101 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
WELL NAME & NO.:	Poker Lake Unit 16 TWR 167H
LOCATION:	Sec 21-24S-31E-NMP
COUNTY:	Eddy County, New Mexico

Updated COAs per **Sundry 2668437**. Includes casing and BHL changes. Offline cementing approved for surface and intermediate casing.

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☒ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 770 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.

- d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure

- rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
- Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall

have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (505) 334-6170

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-47225	² Pool Code 96546	³ Pool Name Cotton Draw; Bone Spring, South
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 16 TWR	⁶ Well Number 167H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,513'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	24 S	31 E		490	NORTH	1,950	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	24 S	31 E		50	SOUTH	1,320	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	SHL (NAD83 NME) Y = 440,114.7 X = 712,309.5 LAT. = 32.208744 °N LONG. = 103.780537 °W FTP (NAD83 NME) Y = 440,278.3 X = 712,938.8 LAT. = 32.209184 °N LONG. = 103.778500 °W	LTP (NAD83 NME) Y = 430,146.0 X = 713,006.9 LAT. = 32.181332 °N LONG. = 103.778449 °W BHL (NAD83 NME) Y = 430,096.0 X = 713,007.3 LAT. = 32.181195 °N LONG. = 103.778448 °W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date 01/22/2022 Printed Name Stephanie Rabadue E-mail Address stephanie.rabadue@exxonmobil.com	
	CORNER COORDINATES (NAD83 NME) A - Y = 440,615.7 N , X = 714,257.0 E B - Y = 440,600.9 N , X = 711,619.5 E C - Y = 437,975.6 N , X = 714,270.8 E D - Y = 437,961.7 N , X = 711,635.8 E E - Y = 435,336.0 N , X = 714,291.7 E F - Y = 435,320.2 N , X = 711,652.1 E G - Y = 432,694.6 N , X = 714,308.9 E H - Y = 432,679.1 N , X = 711,669.4 E I - Y = 430,053.9 N , X = 714,327.6 E J - Y = 430,038.2 N , X = 711,686.6 E			
	SHL (NAD27 NME) Y = 440,055.8 X = 671,125.5 LAT. = 32.208620 °N LONG. = 103.780053 °W FTP (NAD27 NME) Y = 440,219.4 X = 671,754.8 LAT. = 32.209061 °N LONG. = 103.778016 °W			LTP (NAD27 NME) Y = 430,087.4 X = 671,822.5 LAT. = 32.181208 °N LONG. = 103.777966 °W BHL (NAD27 NME) Y = 430,037.4 X = 671,822.9 LAT. = 32.181071 °N LONG. = 103.777966 °W
	CORNER COORDINATES (NAD27 NME) A - Y = 440,556.9 N , X = 673,073.0 E B - Y = 440,542.0 N , X = 670,435.5 E C - Y = 437,916.8 N , X = 673,086.7 E D - Y = 437,902.8 N , X = 670,451.7 E E - Y = 435,277.3 N , X = 673,107.5 E F - Y = 435,261.5 N , X = 670,468.0 E G - Y = 432,636.0 N , X = 673,124.6 E H - Y = 432,620.4 N , X = 670,485.1 E I - Y = 429,995.3 N , X = 673,143.2 E J - Y = 429,979.6 N , X = 670,502.2 E			
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 1-20-2022 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number LM/AW 2018010235				

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
PLU 16 Twin Wells Ranch 167H
Projected TD: 20269' MD / 10152' TVD
SHL: 490' FNL & 1950' FEL , Section 21, T24S, R31E
BHL: 50' FSL & 1320' FEL , Section 28, T24S, R31E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	670'	Water
Top of Salt	960'	Water
Base of Salt	4176'	Water
Delaware	4412'	Water
Brushy Canyon	6525'	Water/Oil/Gas
Bone Spring	8245'	Water
1st Bone Spring Ss	9274'	Water/Oil/Gas
2nd Bone Spring Ss	10012'	Water/Oil/Gas
Target/Land Curve	10152'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 770' (190' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9280' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20269 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8980 feet).

3. Casing Design

Hole Size	MD	TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 770'	770'	9.625	40	J-55	BTC	New	1.50	7.38	20.45
8.75	0' – 4000'	3976'	7.625	29.7	RY P-110	Flush Joint	New	3.11	2.65	2.02
8.75	4000' – 9280'	9247'	7.625	29.7	HC L-80	Flush Joint	New	2.26	2.16	2.59
6.75	0' – 9180'	9147'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.33	2.30
6.75	9180' - 20269'	10152'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.10	2.30

· Production casing meets the clearance requirements as tapered string crosses over before encountering the intermediate shoe, per Onshore Order 2.3.B.1

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

· XTO requests to not utilize centralizers in the curve and lateral

· 7.625 Collapse analyzed using 50% evacuation based on regional experience.

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 770

Lead: 150 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft³/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9280

1st Stage

Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 250 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6525

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft³/sx, 9.61 gal/sx water)

Tail: 730 sxs Class C (mixed at 14.8 ppg, 1.33 ft³/sx, 6.39 gal/sx water)

Top of Cement: 0

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6525') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 20269

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 8980 feet

Tail: 760 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9630 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 3046 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size		Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 770'	12.25		FW/Native	8.7-9.2	35-40	NC
770' - 9280'	8.75		FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
9280' - 20269'	6.75		OBM	10-10.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will include None

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5279 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - PLU 16 TWR 167H

Measured Depth:	20268.89 ft	Site:	PLU 16 TWR D
TVD RKB:	10152.00 ft	Slot:	3
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	440050.41 ft		
Easting:	671333.80 ft		
RKB:	3543.00 ft		
Ground Level:	3513.00 ft		
North Reference:	Grid		
Convergence Angle:	0.30 Deg		

Plan Sections		PLU 16 TWR 167H							
Measured		TVD				Build	Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	Target
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
2481.91	9.64	47.77	2479.64	27.18	29.95	2.00	0.00	2.00	
5870.46	9.64	47.77	5820.36	408.45	450.06	0.00	0.00	0.00	
6352.37	0.00	0.00	6300.00	435.62	480.00	-2.00	0.00	2.00	
9630.37	0.00	0.00	9578.00	435.62	480.00	0.00	0.00	0.00	
10080.37	45.00	185.00	9983.14	268.44	465.37	10.00	0.00	10.00	
10533.00	90.00	179.50	10152.05	-138.68	452.74	9.94	-1.22	10.00	
20268.89	90.00	179.99	10152.00	-9874.45	495.97	0.00	0.01	0.01	PLU 16 TWR BHL 3

Position Uncertainty		PLU 16 TWR 167H												
Measured			TVD Highside		Lateral			Vertical		Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.297	0.000	0.000	0.000	0.000	0.000	OWSG MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.358	0.000	0.358	0.000	2.299	0.000	0.000	0.358	0.358	0.000	OWSG MWD+IFR1+MS
200.000	0.000	0.000	200.000	0.717	0.000	0.717	0.000	2.307	0.000	0.000	0.717	0.717	0.000	OWSG MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.075	0.000	1.075	0.000	2.321	0.000	0.000	1.075	1.075	0.000	OWSG MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.434	0.000	1.434	0.000	2.340	0.000	0.000	1.434	1.434	0.000	OWSG MWD+IFR1+MS
500.000	0.000	0.000	500.000	1.792	0.000	1.792	0.000	2.364	0.000	0.000	1.792	1.792	0.000	OWSG MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.151	0.000	2.151	0.000	2.394	0.000	0.000	2.151	2.151	0.000	OWSG MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.509	0.000	2.509	0.000	2.428	0.000	0.000	2.509	2.509	0.000	OWSG MWD+IFR1+MS
800.000	0.000	0.000	800.000	2.868	0.000	2.868	0.000	2.467	0.000	0.000	2.868	2.868	0.000	OWSG MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.226	0.000	3.226	0.000	2.511	0.000	0.000	3.226	3.226	0.000	OWSG MWD+IFR1+MS

1000.000	0.000	0.000	1000.000	3.585	0.000	3.585	0.000	2.560	0.000	0.000	3.585	3.585	0.000	OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.943	0.000	3.943	0.000	2.613	0.000	0.000	3.943	3.943	0.000	OWSG MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.302	0.000	4.302	0.000	2.670	0.000	0.000	4.302	4.302	0.000	OWSG MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	4.660	0.000	4.660	0.000	2.731	0.000	0.000	4.660	4.660	0.000	OWSG MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.019	0.000	5.019	0.000	2.797	0.000	0.000	5.019	5.019	0.000	OWSG MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.377	0.000	5.377	0.000	2.866	0.000	0.000	5.377	5.377	0.000	OWSG MWD+IFR1+MS
1600.000	0.000	0.000	1600.000	5.736	0.000	5.736	0.000	2.939	0.000	0.000	5.736	5.736	0.000	OWSG MWD+IFR1+MS
1700.000	0.000	0.000	1700.000	6.094	0.000	6.094	0.000	3.016	0.000	0.000	6.094	6.094	0.000	OWSG MWD+IFR1+MS
1800.000	0.000	0.000	1800.000	6.452	0.000	6.452	0.000	3.096	0.000	0.000	6.452	6.452	0.000	OWSG MWD+IFR1+MS
1900.000	0.000	0.000	1900.000	6.811	0.000	6.811	0.000	3.179	0.000	0.000	6.811	6.811	0.000	OWSG MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.169	0.000	7.169	0.000	3.266	0.000	0.000	7.169	7.169	0.000	OWSG MWD+IFR1+MS
2100.000	2.000	47.775	2099.980	7.521	0.000	7.525	0.000	3.355	0.000	0.000	7.525	7.525	-12.577	OWSG MWD+IFR1+MS
2200.000	4.000	47.775	2199.838	7.862	0.000	7.877	0.000	3.446	0.000	0.000	7.878	7.877	-20.087	OWSG MWD+IFR1+MS
2300.000	6.000	47.775	2299.452	8.194	0.000	8.230	0.000	3.538	0.000	0.000	8.232	8.230	-16.441	OWSG MWD+IFR1+MS
2400.000	8.000	47.775	2398.702	8.518	0.000	8.583	0.000	3.632	0.000	0.000	8.585	8.582	-10.236	OWSG MWD+IFR1+MS
2481.905	9.638	47.775	2479.636	8.776	0.000	8.872	0.000	3.710	0.000	0.000	8.875	8.870	-5.687	OWSG MWD+IFR1+MS
2500.000	9.638	47.775	2497.476	8.840	0.000	8.936	0.000	3.725	0.000	0.000	8.939	8.934	-8.358	OWSG MWD+IFR1+MS
2600.000	9.638	47.775	2596.064	9.195	0.000	9.290	0.000	3.832	0.000	0.000	9.292	9.285	11.001	OWSG MWD+IFR1+MS
2700.000	9.638	47.775	2694.653	9.551	0.000	9.645	0.000	3.942	0.000	0.000	9.648	9.637	19.411	OWSG MWD+IFR1+MS
2800.000	9.638	47.775	2793.241	9.909	0.000	10.002	0.000	4.055	0.000	0.000	10.004	9.990	23.149	OWSG MWD+IFR1+MS
2900.000	9.638	47.775	2891.830	10.269	0.000	10.360	0.000	4.172	0.000	0.000	10.362	10.344	25.049	OWSG MWD+IFR1+MS
3000.000	9.638	47.775	2990.418	10.630	0.000	10.718	0.000	4.292	0.000	0.000	10.721	10.700	26.091	OWSG MWD+IFR1+MS
3100.000	9.638	47.775	3089.007	10.992	0.000	11.078	0.000	4.415	0.000	0.000	11.081	11.057	26.670	OWSG MWD+IFR1+MS
3200.000	9.638	47.775	3187.595	11.354	0.000	11.439	0.000	4.541	0.000	0.000	11.442	11.415	26.972	OWSG MWD+IFR1+MS
3300.000	9.638	47.775	3286.184	11.718	0.000	11.800	0.000	4.670	0.000	0.000	11.804	11.773	27.096	OWSG MWD+IFR1+MS
3400.000	9.638	47.775	3384.772	12.083	0.000	12.162	0.000	4.802	0.000	0.000	12.166	12.133	27.098	OWSG MWD+IFR1+MS
3500.000	9.638	47.775	3483.361	12.448	0.000	12.524	0.000	4.937	0.000	0.000	12.529	12.493	27.014	OWSG MWD+IFR1+MS
3600.000	9.638	47.775	3581.949	12.815	0.000	12.887	0.000	5.074	0.000	0.000	12.892	12.854	26.864	OWSG MWD+IFR1+MS
3700.000	9.638	47.775	3680.537	13.181	0.000	13.251	0.000	5.215	0.000	0.000	13.256	13.216	26.665	OWSG MWD+IFR1+MS
3800.000	9.638	47.775	3779.126	13.549	0.000	13.615	0.000	5.358	0.000	0.000	13.620	13.578	26.427	OWSG MWD+IFR1+MS
3900.000	9.638	47.775	3877.714	13.917	0.000	13.979	0.000	5.504	0.000	0.000	13.985	13.941	26.158	OWSG MWD+IFR1+MS
4000.000	9.638	47.775	3976.303	14.285	0.000	14.344	0.000	5.653	0.000	0.000	14.350	14.304	25.862	OWSG MWD+IFR1+MS
4100.000	9.638	47.775	4074.891	14.654	0.000	14.709	0.000	5.804	0.000	0.000	14.716	14.668	25.545	

															OWSG MWD+IFR1+MS
4200.000	9.638	47.775	4173.480	15.024	0.000	15.075	0.000	5.958	0.000	0.000	15.082	15.032	25.209	OWSG MWD+IFR1+MS	
4300.000	9.638	47.775	4272.068	15.394	0.000	15.441	0.000	6.114	0.000	0.000	15.449	15.397	24.858	OWSG MWD+IFR1+MS	
4400.000	9.638	47.775	4370.657	15.764	0.000	15.807	0.000	6.273	0.000	0.000	15.815	15.762	24.492	OWSG MWD+IFR1+MS	
4500.000	9.638	47.775	4469.245	16.134	0.000	16.173	0.000	6.435	0.000	0.000	16.182	16.127	24.113	OWSG MWD+IFR1+MS	
4600.000	9.638	47.775	4567.834	16.505	0.000	16.540	0.000	6.599	0.000	0.000	16.549	16.493	23.723	OWSG MWD+IFR1+MS	
4700.000	9.638	47.775	4666.422	16.876	0.000	16.907	0.000	6.766	0.000	0.000	16.917	16.859	23.323	OWSG MWD+IFR1+MS	
4800.000	9.638	47.775	4765.011	17.248	0.000	17.274	0.000	6.935	0.000	0.000	17.285	17.225	22.913	OWSG MWD+IFR1+MS	
4900.000	9.638	47.775	4863.599	17.619	0.000	17.642	0.000	7.107	0.000	0.000	17.653	17.592	22.494	OWSG MWD+IFR1+MS	
5000.000	9.638	47.775	4962.188	17.991	0.000	18.009	0.000	7.282	0.000	0.000	18.021	17.959	22.068	OWSG MWD+IFR1+MS	
5100.000	9.638	47.775	5060.776	18.363	0.000	18.377	0.000	7.459	0.000	0.000	18.389	18.326	21.633	OWSG MWD+IFR1+MS	
5200.000	9.638	47.775	5159.365	18.736	0.000	18.745	0.000	7.638	0.000	0.000	18.758	18.693	21.191	OWSG MWD+IFR1+MS	
5300.000	9.638	47.775	5257.953	19.108	0.000	19.113	0.000	7.820	0.000	0.000	19.127	19.061	20.742	OWSG MWD+IFR1+MS	
5400.000	9.638	47.775	5356.542	19.481	0.000	19.481	0.000	8.005	0.000	0.000	19.496	19.429	20.287	OWSG MWD+IFR1+MS	
5500.000	9.638	47.775	5455.130	19.854	0.000	19.850	0.000	8.192	0.000	0.000	19.865	19.797	19.825	OWSG MWD+IFR1+MS	
5600.000	9.638	47.775	5553.719	20.227	0.000	20.218	0.000	8.382	0.000	0.000	20.234	20.165	19.357	OWSG MWD+IFR1+MS	
5700.000	9.638	47.775	5652.307	20.601	0.000	20.587	0.000	8.574	0.000	0.000	20.604	20.533	18.884	OWSG MWD+IFR1+MS	
5800.000	9.638	47.775	5750.896	20.974	0.000	20.956	0.000	8.769	0.000	0.000	20.973	20.901	18.404	OWSG MWD+IFR1+MS	
5870.463	9.638	47.775	5820.364	21.237	0.000	21.216	0.000	8.907	0.000	0.000	21.234	21.161	18.054	OWSG MWD+IFR1+MS	
5900.000	9.047	47.775	5849.509	21.358	0.000	21.325	0.000	8.966	0.000	0.000	21.343	21.270	17.970	OWSG MWD+IFR1+MS	
6000.000	7.047	47.775	5948.519	21.751	0.000	21.692	0.000	9.166	0.000	0.000	21.710	21.636	17.752	OWSG MWD+IFR1+MS	
6100.000	5.047	47.775	6047.958	22.117	0.000	22.055	0.000	9.366	0.000	0.000	22.074	21.999	17.714	OWSG MWD+IFR1+MS	
6200.000	3.047	47.775	6147.703	22.454	0.000	22.415	0.000	9.566	0.000	0.000	22.434	22.358	17.882	OWSG MWD+IFR1+MS	
6300.000	1.047	47.775	6247.634	22.764	0.000	22.771	0.000	9.765	0.000	0.000	22.789	22.712	18.403	OWSG MWD+IFR1+MS	
6352.368	0.000	0.000	6300.000	22.903	0.000	22.965	0.000	9.869	0.000	0.000	22.973	22.895	18.758	OWSG MWD+IFR1+MS	
6400.000	0.000	0.000	6347.632	23.069	0.000	23.130	0.000	9.964	0.000	0.000	23.139	23.060	19.043	OWSG MWD+IFR1+MS	
6500.000	0.000	0.000	6447.632	23.416	0.000	23.478	0.000	10.165	0.000	0.000	23.487	23.407	19.613	OWSG MWD+IFR1+MS	
6600.000	0.000	0.000	6547.632	23.765	0.000	23.826	0.000	10.368	0.000	0.000	23.836	23.755	20.148	OWSG MWD+IFR1+MS	
6700.000	0.000	0.000	6647.632	24.113	0.000	24.175	0.000	10.575	0.000	0.000	24.185	24.103	20.651	OWSG MWD+IFR1+MS	
6800.000	0.000	0.000	6747.632	24.462	0.000	24.524	0.000	10.785	0.000	0.000	24.535	24.451	21.125	OWSG MWD+IFR1+MS	
6900.000	0.000	0.000	6847.632	24.811	0.000	24.873	0.000	10.997	0.000	0.000	24.884	24.799	21.571	OWSG MWD+IFR1+MS	
7000.000	0.000	0.000	6947.632	25.160	0.000	25.222	0.000	11.213	0.000	0.000	25.234	25.148	21.991	OWSG MWD+IFR1+MS	
7100.000	0.000	0.000	7047.632	25.509	0.000	25.572	0.000	11.431	0.000	0.000	25.584	25.497	22.388		

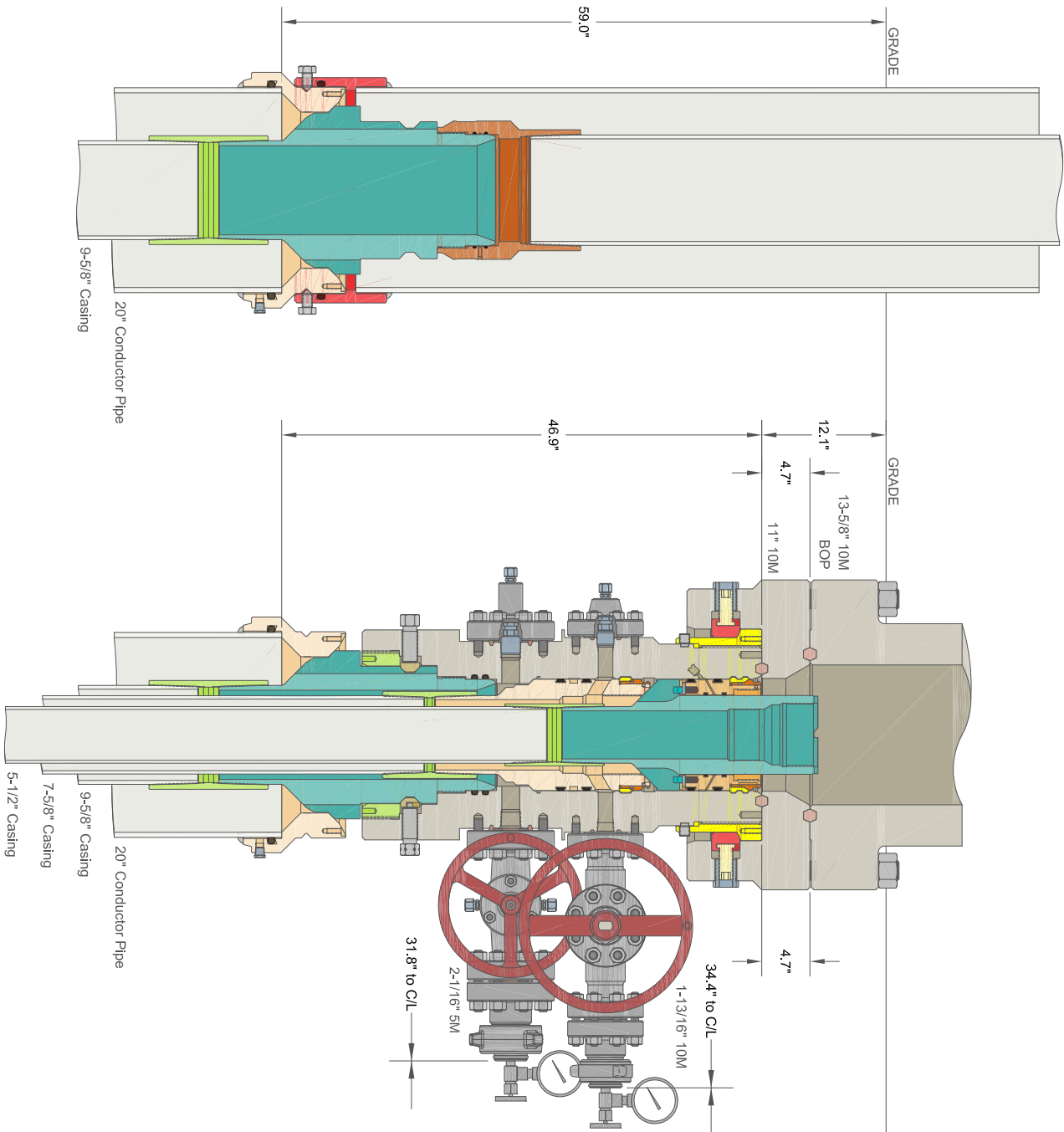
															OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7147.632	25.859	0.000	25.921	0.000	11.653	0.000	0.000	25.935	25.846	22.764	OWSG MWD+IFR1+MS	
7300.000	0.000	0.000	7247.632	26.209	0.000	26.271	0.000	11.877	0.000	0.000	26.285	26.195	23.119	OWSG MWD+IFR1+MS	
7400.000	0.000	0.000	7347.632	26.559	0.000	26.622	0.000	12.104	0.000	0.000	26.636	26.545	23.456	OWSG MWD+IFR1+MS	
7500.000	0.000	0.000	7447.632	26.910	0.000	26.972	0.000	12.334	0.000	0.000	26.987	26.895	23.776	OWSG MWD+IFR1+MS	
7600.000	0.000	0.000	7547.632	27.260	0.000	27.323	0.000	12.568	0.000	0.000	27.338	27.245	24.080	OWSG MWD+IFR1+MS	
7700.000	0.000	0.000	7647.632	27.611	0.000	27.674	0.000	12.804	0.000	0.000	27.690	27.595	24.369	OWSG MWD+IFR1+MS	
7800.000	0.000	0.000	7747.632	27.962	0.000	28.025	0.000	13.043	0.000	0.000	28.041	27.946	24.644	OWSG MWD+IFR1+MS	
7900.000	0.000	0.000	7847.632	28.313	0.000	28.376	0.000	13.285	0.000	0.000	28.393	28.296	24.906	OWSG MWD+IFR1+MS	
8000.000	0.000	0.000	7947.632	28.665	0.000	28.727	0.000	13.530	0.000	0.000	28.745	28.647	25.156	OWSG MWD+IFR1+MS	
8100.000	0.000	0.000	8047.632	29.016	0.000	29.079	0.000	13.778	0.000	0.000	29.097	28.998	25.394	OWSG MWD+IFR1+MS	
8200.000	0.000	0.000	8147.632	29.368	0.000	29.431	0.000	14.029	0.000	0.000	29.449	29.349	25.622	OWSG MWD+IFR1+MS	
8300.000	0.000	0.000	8247.632	29.720	0.000	29.783	0.000	14.283	0.000	0.000	29.802	29.701	25.840	OWSG MWD+IFR1+MS	
8400.000	0.000	0.000	8347.632	30.072	0.000	30.135	0.000	14.540	0.000	0.000	30.154	30.052	26.049	OWSG MWD+IFR1+MS	
8500.000	0.000	0.000	8447.632	30.424	0.000	30.487	0.000	14.800	0.000	0.000	30.507	30.404	26.249	OWSG MWD+IFR1+MS	
8600.000	0.000	0.000	8547.632	30.777	0.000	30.839	0.000	15.063	0.000	0.000	30.860	30.756	26.440	OWSG MWD+IFR1+MS	
8700.000	0.000	0.000	8647.632	31.129	0.000	31.192	0.000	15.329	0.000	0.000	31.213	31.108	26.624	OWSG MWD+IFR1+MS	
8800.000	0.000	0.000	8747.632	31.482	0.000	31.545	0.000	15.598	0.000	0.000	31.566	31.460	26.801	OWSG MWD+IFR1+MS	
8900.000	0.000	0.000	8847.632	31.834	0.000	31.897	0.000	15.870	0.000	0.000	31.919	31.812	26.971	OWSG MWD+IFR1+MS	
9000.000	0.000	0.000	8947.632	32.187	0.000	32.250	0.000	16.144	0.000	0.000	32.273	32.165	27.134	OWSG MWD+IFR1+MS	
9100.000	0.000	0.000	9047.632	32.540	0.000	32.603	0.000	16.422	0.000	0.000	32.626	32.517	27.291	OWSG MWD+IFR1+MS	
9200.000	0.000	0.000	9147.632	32.893	0.000	32.956	0.000	16.703	0.000	0.000	32.980	32.870	27.442	OWSG MWD+IFR1+MS	
9300.000	0.000	0.000	9247.632	33.247	0.000	33.310	0.000	16.987	0.000	0.000	33.333	33.223	27.588	OWSG MWD+IFR1+MS	
9400.000	0.000	0.000	9347.632	33.600	0.000	33.663	0.000	17.274	0.000	0.000	33.687	33.576	27.729	OWSG MWD+IFR1+MS	
9500.000	0.000	0.000	9447.632	33.953	0.000	34.017	0.000	17.563	0.000	0.000	34.041	33.929	27.864	OWSG MWD+IFR1+MS	
9600.000	0.000	0.000	9547.632	34.307	0.000	34.370	0.000	17.856	0.000	0.000	34.395	34.282	27.995	OWSG MWD+IFR1+MS	
9630.368	0.000	0.000	9578.000	34.414	0.000	34.477	0.000	17.946	0.000	0.000	34.502	34.389	28.034	OWSG MWD+IFR1+MS	
9700.000	6.963	185.000	9647.461	34.287	-0.000	34.717	0.000	18.149	0.000	0.000	34.735	34.619	28.087	OWSG MWD+IFR1+MS	
9800.000	16.963	185.000	9745.165	33.450	-0.000	35.022	0.000	18.428	0.000	0.000	35.041	34.912	27.531	OWSG MWD+IFR1+MS	
9900.000	26.963	185.000	9837.789	31.905	-0.000	35.307	0.000	18.682	0.000	0.000	35.326	35.169	25.658	OWSG MWD+IFR1+MS	
10000.000	36.963	185.000	9922.521	29.766	-0.000	35.564	0.000	18.909	0.000	0.000	35.583	35.382	22.777	OWSG MWD+IFR1+MS	
10080.368	45.000	185.000	9983.142	27.735	-0.000	35.747	0.000	19.069	0.000	0.000	35.765	35.518	20.348	OWSG MWD+IFR1+MS	
10100.000	46.946	184.638	9996.786	27.223	-0.000	35.788	0.000	19.100	0.000	0.000	35.806	35.551	19.988		

															OWSG MWD+IFR1+MS
10200.000	56.872	183.086	10058.403	24.569	-0.000	35.974	0.000	19.287	0.000	0.000	35.992	35.662	16.592	OWSG MWD+IFR1+MS	
10300.000	66.813	181.853	10105.535	22.125	-0.000	36.123	0.000	19.453	0.000	0.000	36.140	35.737	13.687	OWSG MWD+IFR1+MS	
10400.000	76.762	180.792	10136.752	20.360	-0.000	36.232	0.000	19.616	0.000	0.000	36.246	35.778	10.943	OWSG MWD+IFR1+MS	
10500.000	86.715	179.815	10151.103	19.741	0.000	36.299	-0.000	19.782	0.000	0.000	36.311	35.798	8.382	OWSG MWD+IFR1+MS	
10533.000	90.000	179.500	10152.049	19.838	0.000	36.312	-0.000	19.838	0.000	0.000	36.322	35.803	7.625	OWSG MWD+IFR1+MS	
10600.000	90.000	179.500	10152.049	19.961	0.000	36.337	-0.000	19.961	0.000	0.000	36.344	35.810	5.893	OWSG MWD+IFR1+MS	
10700.000	90.000	179.508	10152.049	20.167	0.000	36.386	-0.000	20.167	0.000	0.000	36.389	35.819	3.394	OWSG MWD+IFR1+MS	
10800.000	90.000	179.513	10152.049	20.402	0.000	36.447	-0.000	20.402	0.000	0.000	36.448	35.827	1.178	OWSG MWD+IFR1+MS	
10900.000	90.000	179.519	10152.049	20.664	0.000	36.520	-0.000	20.664	0.000	0.000	36.520	35.835	-0.686	OWSG MWD+IFR1+MS	
11000.000	90.000	179.524	10152.049	20.952	0.000	36.605	-0.000	20.952	0.000	0.000	36.606	35.842	-2.193	OWSG MWD+IFR1+MS	
11100.000	90.000	179.529	10152.049	21.265	0.000	36.702	-0.000	21.265	0.000	0.000	36.705	35.850	-3.375	OWSG MWD+IFR1+MS	
11200.000	90.000	179.534	10152.049	21.602	0.000	36.811	-0.000	21.602	0.000	0.000	36.815	35.858	-4.280	OWSG MWD+IFR1+MS	
11300.000	90.000	179.539	10152.049	21.962	0.000	36.932	-0.000	21.962	0.000	0.000	36.938	35.867	-4.959	OWSG MWD+IFR1+MS	
11400.000	90.000	179.544	10152.049	22.344	0.000	37.064	-0.000	22.344	0.000	0.000	37.073	35.876	-5.458	OWSG MWD+IFR1+MS	
11500.000	90.000	179.549	10152.048	22.747	0.000	37.208	-0.000	22.747	0.000	0.000	37.219	35.887	-5.816	OWSG MWD+IFR1+MS	
11600.000	90.000	179.554	10152.048	23.169	0.000	37.363	-0.000	23.169	0.000	0.000	37.377	35.898	-6.064	OWSG MWD+IFR1+MS	
11700.000	90.000	179.559	10152.048	23.609	0.000	37.529	-0.000	23.609	0.000	0.000	37.545	35.911	-6.227	OWSG MWD+IFR1+MS	
11800.000	90.000	179.564	10152.048	24.067	0.000	37.706	-0.000	24.067	0.000	0.000	37.725	35.925	-6.324	OWSG MWD+IFR1+MS	
11900.000	90.000	179.569	10152.048	24.542	0.000	37.894	-0.000	24.542	0.000	0.000	37.915	35.940	-6.372	OWSG MWD+IFR1+MS	
12000.000	90.000	179.574	10152.048	25.032	0.000	38.093	-0.000	25.032	0.000	0.000	38.116	35.956	-6.380	OWSG MWD+IFR1+MS	
12100.000	90.000	179.579	10152.048	25.537	0.000	38.303	-0.000	25.537	0.000	0.000	38.327	35.973	-6.360	OWSG MWD+IFR1+MS	
12200.000	90.000	179.584	10152.048	26.056	0.000	38.523	-0.000	26.056	0.000	0.000	38.549	35.991	-6.317	OWSG MWD+IFR1+MS	
12300.000	90.000	179.589	10152.047	26.588	0.000	38.753	-0.000	26.588	0.000	0.000	38.781	36.010	-6.258	OWSG MWD+IFR1+MS	
12400.000	90.000	179.594	10152.047	27.132	0.000	38.993	-0.000	27.132	0.000	0.000	39.022	36.031	-6.186	OWSG MWD+IFR1+MS	
12500.000	90.000	179.599	10152.047	27.688	0.000	39.243	-0.000	27.688	0.000	0.000	39.274	36.052	-6.106	OWSG MWD+IFR1+MS	
12600.000	90.000	179.604	10152.047	28.255	0.000	39.503	-0.000	28.255	0.000	0.000	39.535	36.075	-6.018	OWSG MWD+IFR1+MS	
12700.000	90.000	179.609	10152.047	28.831	0.000	39.772	-0.000	28.831	0.000	0.000	39.805	36.099	-5.927	OWSG MWD+IFR1+MS	
12800.000	90.000	179.614	10152.046	29.418	0.000	40.051	-0.000	29.418	0.000	0.000	40.085	36.124	-5.832	OWSG MWD+IFR1+MS	
12900.000	90.000	179.619	10152.046	30.013	0.000	40.338	-0.000	30.013	0.000	0.000	40.373	36.150	-5.736	OWSG MWD+IFR1+MS	
13000.000	90.000	179.624	10152.046	30.617	0.000	40.635	-0.000	30.617	0.000	0.000	40.671	36.177	-5.640	OWSG MWD+IFR1+MS	
13100.000	90.000	179.629	10152.046	31.229	0.000	40.940	-0.000	31.229	0.000	0.000	40.977	36.205	-5.543	OWSG MWD+IFR1+MS	
13200.000	90.000	179.635	10152.045	31.849	0.000	41.254	-0.000	31.849	0.000	0.000	41.291	36.234	-5.447		

															OWSG MWD+IFR1+MS
16500.000	90.000	179.801	10152.031	54.729	0.000	55.243	-0.000	54.729	0.000	0.000	55.285	37.744	-3.267	OWSG MWD+IFR1+MS	
16600.000	90.000	179.806	10152.030	55.464	0.000	55.748	-0.000	55.464	0.000	0.000	55.790	37.805	-3.226	OWSG MWD+IFR1+MS	
16700.000	90.000	179.811	10152.029	56.200	0.000	56.256	-0.000	56.200	0.000	0.000	56.298	37.868	-3.185	OWSG MWD+IFR1+MS	
16800.000	90.000	179.816	10152.029	56.937	0.000	56.767	-0.000	56.937	0.000	0.000	56.809	37.931	-3.146	OWSG MWD+IFR1+MS	
16900.000	90.000	179.821	10152.028	57.676	0.000	57.282	-0.000	57.676	0.000	0.000	57.324	37.995	-3.108	OWSG MWD+IFR1+MS	
17000.000	90.000	179.826	10152.027	58.416	0.000	57.799	-0.000	58.416	0.000	0.000	57.841	38.060	-3.070	OWSG MWD+IFR1+MS	
17100.000	90.000	179.831	10152.027	59.157	0.000	58.320	-0.000	59.157	0.000	0.000	58.362	38.126	-3.033	OWSG MWD+IFR1+MS	
17200.000	90.000	179.836	10152.026	59.899	0.000	58.844	-0.000	59.899	0.000	0.000	58.886	38.192	-2.997	OWSG MWD+IFR1+MS	
17300.000	90.000	179.841	10152.025	60.642	0.000	59.370	-0.000	60.642	0.000	0.000	59.412	38.260	-2.962	OWSG MWD+IFR1+MS	
17400.000	90.000	179.846	10152.025	61.387	0.000	59.900	-0.000	61.387	0.000	0.000	59.941	38.328	-2.928	OWSG MWD+IFR1+MS	
17500.000	90.000	179.851	10152.024	62.132	0.000	60.432	-0.000	62.132	0.000	0.000	60.473	38.397	-2.894	OWSG MWD+IFR1+MS	
17600.000	90.000	179.857	10152.023	62.878	0.000	60.966	-0.000	62.878	0.000	0.000	61.008	38.467	-2.861	OWSG MWD+IFR1+MS	
17700.000	90.000	179.862	10152.022	63.625	0.000	61.504	-0.000	63.625	0.000	0.000	61.545	38.538	-2.829	OWSG MWD+IFR1+MS	
17800.000	90.000	179.867	10152.022	64.373	0.000	62.044	-0.000	64.373	0.000	0.000	62.085	38.610	-2.797	OWSG MWD+IFR1+MS	
17900.000	90.000	179.872	10152.021	65.122	0.000	62.586	-0.000	65.122	0.000	0.000	62.627	38.682	-2.766	OWSG MWD+IFR1+MS	
18000.000	90.000	179.877	10152.020	65.872	0.000	63.130	-0.000	65.872	0.000	0.000	63.171	38.755	-2.736	OWSG MWD+IFR1+MS	
18100.000	90.000	179.882	10152.019	66.623	0.000	63.677	-0.000	66.623	0.000	0.000	63.718	38.829	-2.706	OWSG MWD+IFR1+MS	
18200.000	90.000	179.887	10152.019	67.374	0.000	64.227	-0.000	67.374	0.000	0.000	64.267	38.904	-2.677	OWSG MWD+IFR1+MS	
18300.000	90.000	179.892	10152.018	68.126	0.000	64.778	-0.000	68.126	0.000	0.000	64.819	38.980	-2.648	OWSG MWD+IFR1+MS	
18400.000	90.000	179.897	10152.017	68.879	0.000	65.332	-0.000	68.879	0.000	0.000	65.372	39.056	-2.620	OWSG MWD+IFR1+MS	
18500.000	90.000	179.902	10152.016	69.632	0.000	65.887	-0.000	69.632	0.000	0.000	65.928	39.133	-2.593	OWSG MWD+IFR1+MS	
18600.000	90.000	179.907	10152.015	70.387	0.000	66.445	-0.000	70.387	0.000	0.000	66.485	39.211	-2.566	OWSG MWD+IFR1+MS	
18700.000	90.000	179.912	10152.015	71.141	0.000	67.005	-0.000	71.141	0.000	0.000	67.045	39.290	-2.539	OWSG MWD+IFR1+MS	
18800.000	90.000	179.917	10152.014	71.897	0.000	67.566	-0.000	71.897	0.000	0.000	67.607	39.370	-2.513	OWSG MWD+IFR1+MS	
18900.000	90.000	179.922	10152.013	72.653	0.000	68.130	-0.000	72.653	0.000	0.000	68.170	39.450	-2.488	OWSG MWD+IFR1+MS	
19000.000	90.001	179.927	10152.012	73.410	0.000	68.695	-0.000	73.410	0.000	0.000	68.735	39.531	-2.463	OWSG MWD+IFR1+MS	
19100.000	90.001	179.932	10152.011	74.167	0.000	69.263	-0.000	74.167	0.000	0.000	69.303	39.613	-2.438	OWSG MWD+IFR1+MS	
19200.000	90.001	179.937	10152.010	74.925	0.000	69.832	-0.000	74.925	0.000	0.000	69.871	39.696	-2.414	OWSG MWD+IFR1+MS	
19300.000	90.001	179.942	10152.009	75.683	0.000	70.402	-0.000	75.683	0.000	0.000	70.442	39.779	-2.390	OWSG MWD+IFR1+MS	
19400.000	90.001	179.947	10152.008	76.442	0.000	70.975	-0.000	76.442	0.000	0.000	71.014	39.863	-2.367	OWSG MWD+IFR1+MS	
19500.000	90.001	179.952	10152.007	77.202	0.000	71.549	-0.000	77.202	0.000	0.000	71.588	39.948	-2.344	OWSG MWD+IFR1+MS	
19600.000	90.001	179.957	10152.006	77.962	0.000	72.124	-0.000	77.962	0.000	0.000	72.164	40.033	-2.321		

														OWSG MWD+IFR1+MS
19700.000	90.001	179.962	10152.006	78.722	0.000	72.701	-0.000	78.722	0.000	0.000	72.741	40.120	-2.299	OWSG MWD+IFR1+MS
19800.000	90.001	179.967	10152.005	79.483	0.000	73.280	-0.000	79.483	0.000	0.000	73.319	40.207	-2.277	OWSG MWD+IFR1+MS
19900.000	90.001	179.973	10152.004	80.245	0.000	73.860	-0.000	80.245	0.000	0.000	73.899	40.294	-2.256	OWSG MWD+IFR1+MS
20000.000	90.001	179.978	10152.003	81.007	0.000	74.442	-0.000	81.006	0.000	0.000	74.481	40.383	-2.235	OWSG MWD+IFR1+MS
20100.000	90.001	179.983	10152.002	81.769	0.000	75.025	-0.000	81.769	0.000	0.000	75.064	40.472	-2.214	OWSG MWD+IFR1+MS
20200.000	90.001	179.988	10152.001	82.531	0.000	75.609	-0.000	82.531	0.000	0.000	75.648	40.562	-2.194	OWSG MWD+IFR1+MS
20268.894	90.001	179.991	10152.000	83.057	0.000	76.012	-0.000	83.057	0.000	0.000	76.051	40.624	-2.180	OWSG MWD+IFR1+MS

Plan Targets		PLU 16 TWR 167H			
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
PLU 16 TWR FTP 3	10296.72	440213.03	671772.36	6609.00	CIRCLE
PLU 16 TWR BHL 3	20268.89	430175.96	671829.77	6609.00	CIRCLE



CACTUS WELLHEAD LLC 20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers	XTO ENERGY INC ICARUS PAD		
	DRAWN	DLE	18JAN21
	APPRV		
	DRAWING NO. HBE0000479		

Released to Imaging:

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 412869

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 412869
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmccclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	5/15/2025
dmccclure	Correct all past production for the well to the new pool	5/15/2025